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**To:** CUSTOMER SERVICE/CERTIFICATION BRANCH

**FIRM/COMPANY:** U.S. Patent and Trademark Office  
**Attention:** Examiner Motilewa A. Good-Johnson

**FACSIMILE NUMBER:** 703-872-9314

**CONFIRMATION  
TELEPHONE:** 703-305-3939

**FROM:** Howard Chen, Reg. No. 46,615

**DIRECT DIAL:** 415.371.2223

**DATE:** August 25, 2004

**USER NUMBER:** 5273

**FILE NUMBER:** Atty. Docket No. TS00-251(N1280-1080)

**TOTAL # OF PAGES:  
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**MESSAGE:** Per our conversation of today, attached is an executed Power of Attorney for U.S. Application Number 09/993,067.

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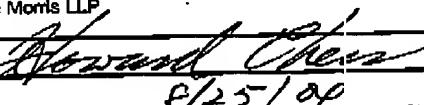
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Filing Date	November 14, 2001
First Named Inventor	Kuo-Chen Lin
Art Unit	2672
Examiner Name	Motilewa Good-Johnson
Attorney Docket Number	TS00-251(N1280-1060)

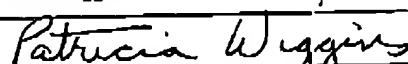
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Firm or Individual name	Howard Chen, Reg. No. 46,615 Duane Morris LLP
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Dear Sir:

I hereby revoke all previous powers of attorney or authorizations of agent given in the patent applications listed below and hereby appoint All Practitioners at Customer Number 08933 to prosecute all applications listed below and to transact all business in the United States Patent and Trademark Office connected therewith.

I hereby appoint the following additional attorneys, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith:

Chien W. Chou  
Simon Lin

Registration Number 41,672  
Registration Number 51,974

Please change the correspondence address for all the applications listed below to:

Customer No. 08933  
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Philadelphia, PA 19103-7396  
Fax: (215) 979-1000

All telephone calls for all applications listed below should be addressed to Steven E. Koff, at (215) 979-1250.

PH/UV/2004/1

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## CERTIFICATE UNDER 37 CFR 3.73(d)

Taiwan Semiconductor Manufacturing Co., Ltd., a Corporation  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is the assignee of the entire right, title and interest in the patent applications identified below by virtue of an assignment from the inventor(s) of the patent applications.

Serial No.	Filing Date	Assignment Information
09/783,414	2/20/2001	Assignment recorded in the Patent and Trademark Office at Reel 011593, Frame 0431
09/945,432	9/4/2001	Assignment recorded in the Patent and Trademark Office at Reel 012151, Frame 0453
09/993,067	1/14/2001	Assignment recorded in the Patent and Trademark Office at Reel 012327, Frame 0481
10/040,042	11/7/2001	Assignment recorded in the Patent and Trademark Office at Reel 012472, Frame 0422
10/042,573	1/5/2002	Assignment recorded in the Patent and Trademark Office at Reel 012486, Frame 0374
10/043,483	1/11/2002	Assignment recorded in the Patent and Trademark Office at Reel 012486, Frame 0361
10/086,258	3/7/2002	Assignment recorded in the Patent and Trademark Office at Reel 012682, Frame 0174
10/140,648	5/7/2002	Assignment recorded in the Patent and Trademark Office at Reel 012902, Frame 0473
10/163,709	6/6/2002	Assignment recorded in the Patent and Trademark Office at Reel 012987, Frame 0514
10/170,247	6/12/2002	Assignment recorded in the Patent and Trademark Office at Reel 013002, Frame 0422
10/176,853	6/21/2002	Assignment recorded in the Patent and Trademark Office at Reel 013034, Frame 0171
10/187,705	7/2/2002	Assignment recorded in the Patent and Trademark Office at Reel 013082, Frame 0563
10/197,048	7/17/2002	Assignment recorded in the Patent and Trademark Office at Reel 013129, Frame 0317
10/205,791	7/26/2002	Assignment recorded in the Patent and Trademark Office at Reel 013148, Frame 0401
10/213,586	8/7/2002	Assignment recorded in the Patent and Trademark Office at Reel 013179, Frame 0574
10/222,360	8/16/2002	Assignment recorded in the Patent and Trademark Office at Reel 013936, Frame 0105
10/236,535	9/6/2002	Assignment recorded in the Patent and Trademark Office at Reel 009698, Frame 0404
10/238,708	9/10/2002	Assignment recorded in the Patent and Trademark Office at Reel 013296, Frame 0365
10/251,325	9/20/2002	Copy of Assignment attached
10/261,289	9/30/2002	Assignment recorded in the Patent and Trademark Office at Reel 013360, Frame 0977
10/268,587	10/10/2002	Assignment recorded in the Patent and Trademark Office at Reel 013384, Frame 0722
10/270,973	10/13/2002	Copy of Assignment attached
10/283,892	10/30/2002	Assignment recorded in the Patent and Trademark Office at Reel 013429, Frame 0541

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10/292,773	11/27/2002	Assignment recorded in the Patent and Trademark Office at Reel 012593, Frame 077.
10/310,314	12/3/2002	Assignment recorded in the Patent and Trademark Office at Reel 013558, Frame 027.
10/323,598	12/16/2002	Assignment recorded in the Patent and Trademark Office at Reel 011672, Frame 036.
10/353,461	1/28/2003	Assignment recorded in the Patent and Trademark Office at Reel 011715, Frame 035.
10/353,421	1/29/2003	Assignment recorded in the Patent and Trademark Office at Reel 011722, Frame 038.
10/371,842	2/20/2003	Assignment recorded in the Patent and Trademark Office at Reel 013805, Frame 030.
10/427,286	3/19/2003	Assignment recorded in the Patent and Trademark Office at Reel 014055, Frame 036.
10/437,373	3/13/2003	Assignment recorded in the Patent and Trademark Office at Reel 011726, Frame 034.
10/462,287	4/16/2003	Assignment recorded in the Patent and Trademark Office at Reel 012134, Frame 057.
10/513,606	5/2/2003	Assignment recorded in the Patent and Trademark Office at Reel 012582, Frame 001.
10/523,912	5/21/2003	Assignment recorded in the Patent and Trademark Office at Reel 014318, Frame 016.
10/589,430	10/20/2003	Assignment recorded in the Patent and Trademark Office at Reel 014622, Frame 0430.
10/760,779	11/04/2003	Assignment recorded in the Patent and Trademark Office at Reel 014670, Frame 066.

The undersigned has reviewed all the documents in the chain of title of the patent applications identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: June 22, 2004

Name: Chen-Wen Chou  
Title: Director, Intellectual Property Division

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